



MARSHALL STAR

Serving the Marshall Space Flight Center Community

Feb. 5, 2004

NASA begins new journey with fiscal year 2005 budget

Editor's note: The following is a statement by NASA Administrator Sean O'Keefe regarding the Administration's fiscal year 2005 budget proposal.

NASA Headquarters release

The Administration's 2005 budget request for NASA implements the new U.S. space exploration policy. This budget for the 2005 fiscal year reflects the President's vision, which is to advance U.S. scientific, security and economic interests through a robust space exploration program. This exploration vision is affordable, fiscally responsible, and sustainable.

"As the President stated in his speech, we are embarking on a journey, not a race. We begin this journey knowing that many years of hard work will be required, yet we can look forward to achieving exciting results in the near term.

"The new space exploration policy is the product of months of extensive and careful deliberations. The importance of these

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NASA/Bill Ingalls

Columbia memorial dedicated at Arlington

Sandy Anderson, center, wife of Columbia astronaut Michael Anderson, examines the STS-107 memorial with astronauts Steve Robinson, right, and Carlos Noriega, left. NASA Administrator Sean O'Keefe dedicated the memorial at Arlington National Cemetery on Monday. "This memorial will remind us of the dedication and sacrifice made by those brave individuals willing to risk their own lives to further humanity's knowledge about space exploration. Our obligation is to ensure their loss was not in vain," O'Keefe said. See pages 4-5 for more on tributes to the Columbia crew.

Chandra scientist Martin Weisskopf wins Rossi Prize

Fourth from research center to receive honor

by Sherri Super

Dr. Martin Weisskopf, chief project scientist for NASA's Chandra X-ray Observatory, has received the Rossi Prize for research in astrophysics. He is the fourth scientist at the National Space Science and Technology Center to receive the honor from the American Astronomical Society.

Awarded annually since 1985 by the High Energy Astrophysics Division of the American Astronomical Society, the Rossi Prize recognizes significant contributions to high-energy astrophysics, emphasizing recent, original work. The prize is named for the late Dr. Bruno Rossi, an authority



Weisskopf

Dennis Olive, Marshall Center

on cosmic rays and physics professor at the Massachusetts Institute of Technology in Cambridge. Weisskopf is chief scientist for X-ray Astronomy in the Space Sciences Department at the Marshall Center — one of the partnering institutions of the National Space Science and

See Weisskopf on page 3

Gravity Probe B processing continuing toward April launch

Kennedy Space Center release

The Gravity Probe B spacecraft is in NASA's Payload Processing Facility at North Vandenberg Air Force Base in California awaiting the return of a reworked Experiment Control Unit (ECU).

The ECU is currently in Lockheed Martin spacecraft facilities in Palo Alto, Calif. The reworking of the circuit board, installation into the ECU, and functional testing is complete. Final thermal vacuum chamber testing is under way. The ECU containing the associated circuit board will

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deliberations increased with the findings of the Columbia Accident Investigation Board, which emphasized the importance of setting clear, long-term goals for the nation's human space flight program.

"To achieve these goals, NASA will plan and implement an integrated, long-term robotic and human exploration program structured with measurable milestones. NASA will execute the plan using the best available resources, accumulated experience and technology.

"NASA's budget will increase by \$1 billion over the next five years when compared with the President's 2004 plan. That is an increase of approximately five percent per year over the next three years, and approximately one percent for the following two years.

"Although the budget increases are modest, NASA will be able to carry out a robust exploration program. During the next decade, retiring the Space Shuttle will free over \$4 billion annually, enabling full-scale development and operation of robotic and human moon missions.

"NASA will also invigorate its workforce, focus operations, and revitalize field centers. As exploration activities get underway, NASA anticipates planning, reviews and changes to align and improve infrastructure. To achieve the exploration vision, we will be making decisions on how to best implement new programs. While some of these necessary actions will not be easy, they are essential to the agency's total effort.



NASA Administrator Sean O'Keefe briefs Agency team members on the fiscal year 2005 budget Tuesday.

NASA/Bill Ingalls

"The vision makes the needed decisions to secure long-term U.S. space leadership. It provides an exciting set of major milestones with human and robotic missions. It pursues compelling science and cutting-edge technologies. It invites new ideas and innovations for accomplishing the vision. The President's challenging vision provides unique opportunities for engaging students across the country, 'as only NASA can,' to enter careers in science, engineering, technology and math.

"The vision provides the opportunity for new generations of Americans to explore, innovate, discover and enrich our nation in ways unimaginable today."

Information about the NASA vision and budget is available at: <http://www.nasa.gov> and at <http://www.omb.gov/budget>.

Gravity Probe B

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be returned for installation into the Gravity Probe B spacecraft by Tuesday.

There has been no significant change in the level of the battery charge, which continues to be monitored. The temperature of the dewar's main tank remains at 1.8765 Kelvin. The temperature is targeted to be no warmer than 1.880 Kelvin at launch. More cryogenic liquid helium will be added to the dewar in mid-February before solar arrays are re-installed on the spacecraft.

Meanwhile, the Delta II rocket is at Space Launch Complex 2, enclosed within the gantry-like mobile service tower. It has successfully completed all testing to date and will remain there until the Gravity

Probe B spacecraft arrives. As a result of the earthquake in central California in January, inspections of the pad and the Delta rocket have been under way. No after-effects have been observed to the launch pad or the gantry. Precautionary testing of the solid rocket motors has been re-scheduled for Monday.

Launch is scheduled for no earlier than April 17.

The Gravity Probe B mission is a relativity experiment developed by the Marshall Center, Stanford University and Lockheed Martin. The spacecraft will test two extraordinary predictions of Albert Einstein's general theory of relativity that he advanced in 1916: The geodetic effect

of how space and time are warped by the presence of the Earth; and frame dragging — how Earth's rotation drags space and time around with it.

Gravity Probe B consists of four sophisticated gyroscopes that will provide an almost perfect space-time reference system. The mission will look in a precision manner for tiny changes in the direction of spin. Gravity Probe B will be launched into a 400-nautical-mile-high polar orbit for a 16-month mission.

Government oversight of launch preparations and the countdown management on launch day is the responsibility of Kennedy Space Center. The launch service is provided to NASA by Boeing Launch Services.

Weisskopf

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Technology Center. He shares the 2004 Rossi Prize with Dr. Harvey Tananbaum of the Harvard-Smithsonian Center for Astrophysics, also in Cambridge.

The scientists earned the award for their vision, dedication, and leadership in the development, testing and operation of the Chandra Observatory. With the addition of Weisskopf and Tananbaum, scientists associated with their two institutions — the Harvard-Smithsonian Center for Astrophysics and the National Space Science and Technology Center — have earned the first and second most Rossi Prizes, respectively, of any other organizations worldwide.

"I am honored to receive this award and share it with my colleague and friend," Weisskopf said. "There can be no question that we two represent the hundreds of individuals that have contributed to make this a truly 'Great Observatory.'"

One of NASA's four "Great Observatories," Chandra is the world's most powerful X-ray telescope. Since its launch in 1999, Chandra has helped scientists better understand the structure and evolution of the universe — generating the most sensitive or "deepest" X-ray exposure ever made, shedding new light on planets including Mars and Jupiter, finding an X-ray ring around the Crab Nebula, and making numerous discoveries involving supermassive black holes.

Weisskopf has a bachelor's degree in physics from Oberlin College in Oberlin, Ohio, and a doctorate in physics from Brandeis University in Waltham, Mass. He began his post-graduate career at Columbia University in 1969, where he became an assistant professor and performed many pioneering experiments in X-ray astronomy. In 1977, Weisskopf joined the Marshall Center as senior X-ray astronomer and project scientist for Chandra.

He has held numerous special appointments during his career. He is a senior co-investigator of the European Space Agency's

international X-ray imaging experiment and principal investigator of a major experimental research program initiated in 1978, which currently concentrates on the development of X-ray optics.

Weisskopf is the recipient of numerous awards, including NASA Medals for Exceptional Service and for Scientific Achievement. In 1994, he was elected a Fellow of the American Physical Society, and in 2001 as a fellow in the International Society for Optical Engineering. Weisskopf is author or co-author of 225 publications including peer-reviewed journal articles, articles in books, monographs and papers in conference proceedings.

Previous Rossi winners associated with the National Space Science and Technology Center include Dr. Chryssa Kouveliotou in 2003, Dr. Jan van Paradijs in 1998 and Dr. Gerald Fishman in 1994.

Kouveliotou, of the Marshall Center, was a member of a team honored for its research of magnetars, which are neutron stars with extraordinarily strong magnetic fields. The late van Paradijs — of the University of Amsterdam in the Netherlands and University of Alabama in Huntsville — was honored for the discovery of the X-ray and optical afterglow of powerful explosions known as gamma ray bursts. Fishman, of the Marshall Center, was recognized for his contributions to the Burst and Transient Source Experiment instrument aboard NASA's Earth-orbiting Compton Gamma Ray Observatory and for related research into gamma-ray bursts.

Focusing on space science, Earth science, materials science, biotechnology, propulsion, information technology and advanced optics and energy technology, the National Space Science and Technology Center enables scientists, engineers and educators to share research and other facilities. In addition to the Marshall Center, its partnering institutions include industry and Alabama research universities.

The writer, employed by ASRI, supports Media Relations Department.

License plate to benefit Saturn V restoration at U.S. Space & Rocket Center

from the U.S. Space & Rocket Center

Alabama is offering a vehicle license plate to help raise money for restoration of the Saturn V at the U.S. Space & Rocket Center in Huntsville.

Each license plate will cost \$50 and of that amount, \$41.25 will go toward preservation of the Saturn V.

The license plates can be reserved at vehicle registration offices in each county. The Alabama Department of Motor Vehicles requires that 1,000 people pre-commit to purchasing the license plate before it can be issued.



Marshall Imaging Services

This is the second aerospace-theme license plate to be offered in the state and

the only one that directly benefits the Saturn V restoration project.

'Their memory lives on ...

NASA, Marshall Center pay tribute to America's fallen space heroes

NASA Headquarters release

The fallen heroes of the Space Shuttle Columbia have taken their place at the hallowed ground of Arlington National Cemetery.

NASA Administrator Sean O'Keefe presided at the dedication ceremony Monday — one year and one day after the tragedy, which claimed the lives of the seven STS-107 crew members.

O'Keefe called the Columbia crew "heroes for our time and for all times," adding that they were all "motivated by a fire within — a passionate eternal flame in each of their souls."

O'Keefe also repeated President Bush's call to create a "living memorial" to the crew, by giving NASA a "new focus and vision to take humans back to the moon and beyond."

The ceremony closed with stirring musical performances from the U.S. Navy Band, the U.S. Air Force Singing Sergeants and singer Patti LaBelle, who sang her Grammy-nominated song, "Way Up There." LaBelle originally performed the song at the Columbia memorial at the

National Cathedral in Washington last year.

The new memorial is just a few feet away from another one honoring the crew of the Space Shuttle Challenger, lost on Jan. 28, 1986. O'Keefe laid a wreath at that site on the 18th anniversary of the accident.

It's a solemn, reflective time of year for NASA, with the anniversaries of the Columbia, Challenger and Apollo 1 accidents all falling within a week. O'Keefe announced last week that the Agency will observe a Day of Remembrance each year on the last Thursday in January, honoring those three crews and all who have given their lives in the cause of exploration and discovery.

O'Keefe told NASA employees that the agency must learn from its tragedies "as profoundly as we do from our triumphs." He also urged employees to reflect "every single day" on the fact that "the consequences of us not getting it right are catastrophic."

All three crews have also been honored on Mars: The Spirit rover's landing

site has been named Columbia Memorial Station, Opportunity's landing site has been named Challenger Memorial Station, and three hills visible from Spirit's site have been named for the Apollo 1 crew.

The Columbia crew was also honored in a pre-game ceremony at Super Bowl XXXVIII on Sunday — the one year anniversary of the accident. This year's game was in Houston, home to NASA's astronaut corps and the Johnson Space Center.

For the NASA family, the Columbia crew and the other fallen astronauts remain an inspiration, pushing the Agency to continue to explore.

"Every day when I drive to work I see reminders of the Columbia crew," said Cmdr. Eileen Collins, who will lead the STS-114 crew, set to return the Space Shuttle to safe flight.

"I have reminders at home, I have reminders in my office, and I want those reminders because while initially they were sad, they're not as sad anymore; I'd say they're more strengthening; they're making me want to make more of a commitment to the program and to continue their legacy and to continue their mission," Collins said.



NASA/Renee Bouchard

NASA Administrator Sean O'Keefe announces an annual "Day of Remembrance" honoring those who have given their lives in the cause of exploration and discovery. O'Keefe made the announcement at NASA Headquarters in Washington last week during a tribute to the Columbia crew.



Photo by Emmett Given, NASA/Marshall Center

Marshall Director David King, left, helps Mark McDaniel, a member of the NASA Advisory Council, unveil a plaque to the memory of the STS-107 Columbia crew during ceremonies last week in Morris Auditorium.

their spirit will carry us higher'



The plaque memorializing the seven STS-107 Columbia crew members will be permanently displayed outside Morris Auditorium in Bldg. 4200.



Photos by Emmett Given, NASA/Marshall Center

Marshall Director David King tells Center team members that when the day arrives for returning the Space Shuttle to safe flight, it will fulfill a promise to the families of those lost aboard Columbia.



Shane Adkins, left, and Carlos R. Henshaw, employees of EG&G, perform "Tears in Heaven" during the STS-107 tribute at Marshall last week. Adkins also performed "The Star Spangled Banner" on guitar.



A lone vehicle passes Bldg. 4200 where the STS-107 mission patch is displayed on the front lawn. Andrea Nunn of the Center Operations Directorate painted the logo to honor the fallen Columbia crew.

FIRST Robotics day is Feb. 19

by Jonathan Baggs

Eight high school teams will participate in a practice competition for the FIRST (For Inspiration and Recognition of Science and Technology) Robotics trials to test their engineering creations before heading to regional competition.

The event is from 2-4 p.m. Feb. 19 in Technology Hall at the University of Alabama in Huntsville. Admission is free.

The Marshall Center is sponsoring four teams this year: New Century Technology High School and Madison County Career Academy, both in Huntsville; Guntersville High School in Guntersville; and Austin High School in Decatur. Other area teams participating include Lee High School and Butler High School, both in Huntsville; Arab High School in Arab; and Lincoln County High School in Fayetteville, Tenn.

Students from across the country have six weeks to team with engineering mentors from government, industries and universities to design, build and operate robots capable of playing a specific game. The goal is for students to gain experience solving engineering challenges in a competitive environment.

Each team receives an identical kit of parts from which it creates a robot.

The writer, an employee of ASRI, is the Marshall Star editor.



Photo by Doug Stoffer, NASA/Marshall Center

Paying Marshall Association dues

Marshall Center Director David King, left, and Marshall Deputy Director Rex Geveden, second from left, pay their Marshall Association dues. Helping them are Association members, from right, Roslin Hicks, Beth Cook, Robin Henderson and Pete Rodriguez. The Association, open to civil servants only, is sponsoring a membership drive. Dues are \$25 per year. The association hosts guest speakers and forums for the exchange of ideas, and sponsors a scholarship program for dependents of Marshall civil service employees. The group's 2004 kickoff luncheon will be from 11:30 a.m.-1 p.m. Feb. 10 in the Center Activities Bldg. 4316. Gerald Smith, executive director of the National Space Science and Technology Center, will speak. Cost is \$8 payable at the door, but reservations are required. See "Inside Marshall" for details.

Obituaries

Barbara Ann Kelso, 62, of Huntsville, died Jan. 27. Burial was in Baraboo, Wis.

Local arrangements were directed by Berryhill Funeral Home.

Kelso began government service in 1978 and was transferred to the Marshall Center in 1979, although her duty station was in Sunnyvale, Calif. She came back to the Marshall Center in



Kelso

1990, where she worked in the Safety and Mission Assurance Office as a secretary and management support assistant.

She is survived by one daughter.

R. Giffin Smith, 73, of Huntsville, died Jan. 1. Funeral services were held in Tylertown, Miss. and burial with full-military honors was in Tylertown Cemetery with Capps Funeral Home directing.

Smith was born Sept. 23, 1930, in Tylertown. He graduated from the University of Tulsa in Oklahoma with a degree in petroleum engineering and began his career in the oil fields of Oklahoma, Texas, New Mexico and Louisiana. He

came to the Marshall Center in the early 1960s to work on the Apollo program. He later transferred to the Mississippi Test Facility, not Stennis Space Center, before returning to Marshall to work in the Facilities Engineering Office. Smith retired from the Marshall Center in 1995 where he worked in experimental facilities development. He also was a member of the U.S. Air Force Reserve and retired with the rank of colonel.

Smith is survived by one son, Winston Smith of Atlanta; one daughter, Patricia Dillon of Tylertown; and six grandchildren.

Energy tip

Marshall team members can be good stewards of energy conservation by turning off lights and other powered consumer items under their control when they leave the workplace.

To submit an energy tip, e-mail cedreck.davis@msfc.nasa.gov or juergen.haukohl@msfc.nasa.gov.

Job Announcements

MS04C0068, Information Technology Specialist. GS-2210-12, Space Transportation Directorate, Integration Office. Closes Feb. 10. Contact: Jannette Black at 544-8660.

MS04S0069, Senior Executive Service, Deputy Director, Science Directorate. ES-1301-01, 06 (promotion

potential to ES-6), Science Directorate. Closes Feb. 24. Contact: Diedra Williams at 544-5721.

MS04N0073, Management Support Assistant (OA). GS-0303-07, Space Transportation Directorate, Advanced Concepts and Analysis Department. Closes Feb. 11. Contact: Jannette Black at 544-8660.

Announcements

Marshall Deputy Rex Geveden to speak at NASA conference

Marshall Center Deputy Director Rex Geveden will be a speaker at the first NASA Project Management Conference March 30-31 at the University of Maryland Conference Center near College Park. Goddard Space Flight Center is coordinating the event, which will examine current trends in project management. Mike Kostelnik, NASA's deputy associate administrator for International Space Station and Space Shuttle, also will speak. The event is open to civil service and contractor team members. Seating is limited. For more information, go to <http://pmchallenge.gsfc.nasa.gov>.

U.S. Sen. Richard Shelby to speak at Feb. 17 chamber event

U.S. Sen. Richard Shelby will speak at the 68th annual Membership Meeting of the Chamber of Commerce/Huntsville-Madison County. The event is from 11:30 a.m.-1 p.m. Feb. 17 at the Von Braun Center. Tickets are \$38 and are available from Rosa Kilpatrick in the Government and Community Relations Office. Reservations are due by Tuesday.

National Engineers Week Award Banquet is Feb. 26

The annual National Engineers Week Award Banquet will be at 6 p.m. Feb. 26 in the North Hall of the Von Braun Center in Huntsville. Tickets are \$25 per person for advance reservations and \$38 per person for reservations made after Feb. 18. For more information, see "Inside Marshall."

Classes open for Marshall team

Two upcoming classes are open to Marshall team members: Making Meetings Work on Feb. 9-13, and Effective Briefings on March 8-12. All classes are from 8:30 a.m.-2:30 p.m. in Bldg. 4200, Room G-13C. Call 544-7552 for more information or see "Inside Marshall."

Bldg. 4200 lobby available for exhibits

Organizations wanting to place permanent or temporary graphics, displays and signs in the Bldg. 4200 lobby, or any group wishing to reserve the lobby for an activity, should contact Judy Pettus in the Media Relations Department, CD70, at 544-8911. The department coordinates requests to avoid double-bookings and to ensure public walkways are safe and unobstructed. The department also can advise and assist with floor plan layout to maximize use of the small space available. Please refer to MPG 1380.2, Center Public Exhibits Guidance and Process, for additional details..

Redstone Toastmasters meet every Tuesday

Marshall team members and retirees wanting to improve their speaking skills are invited to the Redstone Toastmasters meeting at 6 p.m. every Tuesday. The meetings are at Casa Mexicana restaurant at 2713 Patton Road in Huntsville.

American Cancer Society 'Relay for Life' set for April 30-May 1

The American Cancer Society's "Relay for Life" fund-raising event will be from 5:30 p.m.-7 a.m. April 30-May 1 at Milton Frank Stadium in Huntsville. The overnight event remembers those who have lost the fight against cancer and honors those who have survived. Teams are assigned from businesses, clubs, families, friends, schools and churches. For more information, call Bennie Jacks at 852-8325.

NASA Fellowship Program applications available

The NASA Administrator's Fellowship Program is accepting applications through March 19. The program is designed to enhance relations between NASA and historically black colleges and other minority institutions. NASA employees at the GS-13 level or above are encouraged to apply and must hold a

master's or doctorate degree. The 18-22 month program allows NASA employees to teach or conduct research at a minority institution for one year and participate in other opportunities for the remainder of the fellowship. For details, call 544-3740 or 544-7527.

Earth Day contests open for submissions

Several Earth Day contests are open for submissions. Marshall team members can submit a logo or an environmental suggestion. A new contest this year is photography where still photos showcasing the natural environment at the Center will be judged. Earth Day at the Marshall Center will be from 10:30-11:30 a.m. April 15 at the Center Activities Bldg. 4316. This year's theme is "Spaceship Earth: No Passengers ... All Crew," to emphasize individual environmental stewardship. More details will be available in future issues of the Marshall Star and on "Inside Marshall."

Retired Federal Employees to meet Feb. 14

The National Association of Retired Federal Employees will meet at 9:30 a.m. Feb. 14 at the Senior Center on Drake Avenue in Huntsville. Patricia White, a financial planner, will speak. For details, call 881-4944 or 882-2406.

Facilities Office retirees to meet Tuesday

The Facilities Office Retirees and Friends will meet for breakfast at 8:30 a.m. at Shoney's on University Drive at Memorial Parkway in Huntsville. For details, call Carl Gates at 232-2695.

Blood Drive set Feb. 13

A blood drive sponsored by ALIFESouth Community Blood Center will be from 8 a.m.-1:30 p.m. Feb. 13 in the Marshall Center Activities Bldg. 4316. For details, call Rick Wallace at 544-8885.

Classified Ads

Miscellaneous

- ★ Savage bolt-action rifle, .222 caliber w/ 6X Lyman scope, \$200. 883-0795
- ★ Weed-Eater tiller, 24" 5HP, \$200; Craftsman 1-1/2-ton floor jack, \$50. 883-9884
- ★ King Cobra irons, medium, low-flex point, 3-9 plus pw/sw, \$300; Ping putter, B62, \$50. 337-5825
- ★ Companion burial crypt at Faith Memorial Park, Madison Blvd., discounted price. 771-0797
- ★ Mobile home, 2000 Fleetwood, 16x80, 3BR, 2B, must move, \$12,000 firm. 379-3075
- ★ First-Step swing/slide set, \$75; Fisher-Price Extreme Machine, battery-operated car, \$70. 650-6286
- ★ 1951 Ford 8N tractor, many new parts, strong hydraulics, not rusty, w/accessories. 723-4103
- ★ Bachmann "Collector's Edition" HO-scale MONOPOLY electric train. Unused, in box, contents sealed. \$52. 306-0700
- ★ Baby stroller, \$10. 682-9540
- ★ JVC stereo receiver, \$25. 828-4251
- ★ Delphi XM-Radio SKYFi receiver w/ audio system (speakers), both new, \$200. 489-8421
- ★ Antique sterling silver gemstone ring & gold dome ring, \$25. 890-0755
- ★ Alumacraft canoe, 18', suitable for small motor, square stern, \$275. 650-5128
- ★ Cannon fax/phone, B160, Bubble-jet, new in box, \$30. 256-766-9097
- ★ 1994 Coachmen truck slide-in camper, a/c, heat, refrigerator, stove, bath, \$4,000. 256-776-2687
- ★ Kitchen-Aid dishwasher, four wash cycles, Quiet scrub system, black front door, \$100. 539-0094
- ★ Barely used BowFlex, \$850. 232-5336 after 5 p.m.
- ★ Craftsman wood lathe, used very little, w/4 drawers and storage stand, \$350. 852-2255
- ★ 1977 Avion travel trailer, 27', for hunting, camping, or lake lot, \$4,500. 931-427-2059

- ★ Rims and tires, 17", 4-lugs. 479-7312
- ★ Computer speakers w/Subwoofer, \$20; Black IR wireless keyboard/mouse, \$20; Ergonomic multimedia keyboard, \$5. 765-532-4218
- ★ 1994 Suzuki DR250SER, low mileage, white/blue, \$1,200. 772-5740
- ★ Fisher kick & play bouncer w/music, sounds, lights & vibrations, \$45. 828-6387
- ★ Hand-fed cockatiels, \$25 ea. 457-3396
- ★ TI-85 Graphing calculator w/manual, \$30; XL twin mattress & box spring, \$30 set. 256-721-0042
- ★ Kenmore dryer, \$75; Kenmore washer, \$95. 837-6649
- ★ Ralph mink coat, small to medium size, \$250. 256-509-3208
- ★ 180GB IDE drive, 8Mb cache, 7200 ATA/133 kit with SCSI card, \$100. 489-8421

Vehicles

- ★ 1986 Chevy S-10 p/u, white, V6, a/t, ps/pb, am/fm, a/c, cruise, \$1,200. 256-534-4859
- ★ 1989 Isuzu S pickup w/bedliner/cap, 2.6L engine, 4-wheel disc, approx. 94K miles, garaged, \$2,200. 683-3745
- ★ 1996 Ford Bronco, 4x4, 351 engine, white, sport package, clean, \$9,000. 656-4846
- ★ 1999 Dodge Ram 1500/V8 SLT 4x4, QUADcab, 79K miles, auto, tilt, cruise, alloy, \$13,500. 859-2962
- ★ 1989 Honda CR250R, \$1,000; 1996 Honda XR100, \$1,200. 655-6293
- ★ 1990 S10, 4-wheel drive, all-power, black, 82.5K miles. 890-0499
- ★ 1996 Saturn SL1, 4-door, 5-speed, sunroof, white, 79K miles, \$3,450. 325-6000
- ★ 2002 Ford Taurus, 45K miles, extended warranty, one-owner, \$10,000. 205-305-9376
- ★ 2000 Ford Expedition Eddie Bauer, 97K miles, white/tan leather, loaded, \$14,200. 256-650-0812
- ★ 1994 Mustang GT convertible, 5.0L, 5-speed, one-owner, 123K miles. 461-6337
- ★ 1995 Ford Windstar GL, one-owner,

- \$3,150. 256-722-0997
- ★ 1997 Chrysler Town & Country van, one-owner, silver/beige, 95K miles, \$5,999. 881-7000
- ★ 1985 Corvette, 86.5K miles, many extras, \$7,500. 830-0305
- ★ 1999 Honda Accord LX, pw/ps, one-owner, 61K miles, \$10,000. 256-773-5051
- ★ 2000 Ford F150, 41K miles, power windows/locks, \$10,000. 256-658-2228
- ★ 1997 Dodge 1500 SLT Laramie truck, 5.9L/V8, green w/bedliner, 82K miles, \$7,300. 880-0881
- ★ 1995 Taurus, 3.01/V6, a/c, automatic, power, keyless entry system, 173K miles. 233-5403
- ★ 1986 Honda Fourtrax 250, 2WD, new rear-end/brakes/back tires, \$1,000. 256-797-0342
- ★ 1991 Explorer XLT, 4-door, leather, sunroof, 64K miles, over \$3,000 in new parts, \$4,000. 880-6498
- ★ 1993 Explorer, plum, all-power, new air/blower, brakes, tires, 151K miles, \$2,900. 256-772-0430

Wanted

- ★ Children's bedroom furniture/suite, full-size bed, white color preferred. 883-9339
- ★ Practice mat for gymnastics/tumbling. 890-0755
- ★ Used enclosed utility trailer. 682-1431
- ★ Used parachute, need not be in perfect condition, to be used as decoration only. 479-4993
- ★ Runabout boat, bow-rider or deck boat w/trailer, 19'-21', 190HP minimum. 882-3753
- ★ Set of used encyclopedias. 316-2902

Free

- ★ Artic wolf/Huskey mix, 3 yrs. old, friendly, inside/outside dog, 35-50 lbs. 797-4010

Lost

- ★ Navy P coat last month. 544-5632

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